

## UTILITY PATENT APPLICATION TRANSMITTAL

ADDRESS TO: Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



Transmitted herewith for filing is the patent application of:

**INVENTOR(S):** Francesco CIOVACCO, Fabio SOMBOLI, Giuseppe FAZIO and Simone ALBA

**TITLE:** *METHOD AND APPARATUS FOR DETECTING A LEAK OF EXTERNAL AIR INTO A PLASMA REACTOR*

**ASSIGNEE INFORMATION PURSUANT TO 37 C.F.R. 1.76**

**ASSIGNEE NAME:** STMICROELECTRONICS S.r.l.  
**ASSIGNEE RESIDENCE:** AGRATE BRIANZA, ITALY


In connection with this application, the following are enclosed:

- XX Fee Transmittal Form
- 21 Pages of Specification, Claims and Abstract
- 31 Claims
- 5 Sheets of Drawings (FIGS. 1-4)
- XX Unexecuted Declaration and Power of Attorney
- XX Information Disclosure Statement, Form PTO-1449 with 3 non-U.S. patent references
- XX Please direct all correspondence to **Customer Number 23334**.

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Respectfully submitted,

BY:

  
Jose Gutman  
Reg. No. 35,171

# FEE TRANSMITTAL

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**INVENTOR(S):** Francesco CIOVACCO, Fabio SOMBOLI, Giuseppe FAZIO and Simone ALBA

**TITLE:** *METHOD AND APPARATUS FOR DETECTING A LEAK OF EXTERNAL AIR INTO A PLASMA REACTOR*

The fee has been calculated as shown below. (Small entity fees indicated in parentheses.)

For	Number Filed		Number Extra	Rate Large (Small)	Basic Fee \$750 (\$375)
Total Claims	31	20	11	\$18 (\$9)	198
Independent Claims	4	3	1	\$84 (\$42)	84
Multiple Dependent Claims				\$280 (\$140)	0
Assignment Recording Fee				\$40	0
				<b>TOTAL FEE:</b>	<b>\$ 1,032</b>

\_\_\_\_ The Commissioner is hereby authorized to charge Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_.

\_\_\_\_ The Commissioner is hereby authorized to charge payments of (1) any additional filing fees required under 37 CFR 1.16, and/or (2) any patent application processing fees under 37 CFR 1.17 associated with this application or credit any overpayment to Deposit Account No. \_\_\_\_\_.

Respectfully submitted,

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BY:

*Jose Gutman*  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

In re Application of:  
Francesco CIOVACCO et al.  
Serial No. (not yet assigned)  
Filed: HEREWITH  
For: METHOD AND APPARATUS FOR  
DETECTING A LEAK OF EXTERNAL AIR  
INTO A PLASMA REACTOR

Atty Docket: 02-AG-228/RR  
APPLICATIONS BRANCH

CERTIFICATE OF EXPRESS MAIL MAILING

"Express Mail" Mailing Label No. EV343426448US  
Date of Deposit: August 29, 2003

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR:

I hereby certify that

☒ Application Transmittal  
☒ Fee Transmittal Form  
☒ Specification, Claims, Abstract  
☒ 1 set of 5 sheets of drawings  
☒ Unexecuted Declaration and Power of Attorney  
☒ Information Disclosure Statement, Form PTO-1449 w/ 3 non-U.S. patent refs.  
☒ Return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to:

MS Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

8/29/03  
Date of Deposit

Kathleen Schloska  
Name of person mailing papers

Kathleen Schloska  
Signature